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(75) Inventor/Applicant (for US only): HUNT, Stephen, William [GB/GB]; 17 High Street, Orwell, Nr. Royston, Cambridgeshire SG8 5QN (GB).

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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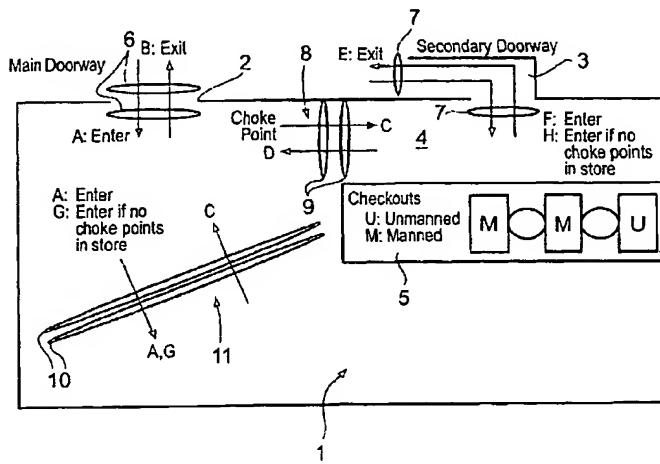
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(54) Title: IMPROVEMENTS RELATING TO SECURITY AND ELECTRONIC ARTICLE SURVEILLANCE



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(57) Abstract: There is disclosed a security device, a security system and a method of providing security in a retail environment or the like. Shopping trolleys associated with the retail environment are fitted with security devices having a receive-only wireless receiver and a processor, the receiver receiving wireless signals transmitted from one or more transmitters located at various locations around the retail environment. By analysing the wireless signals as it passes thereby, the processor of the security device can determine a location and/or a direction of travel of a shopping trolley to which it is fitted. In addition, an alarm signal may be raised if a predetermined signal or sequence of signals is detected. The alarm signal may cause activation of a wheel locking device on the trolley and/or may cause an alarm device to generate an audible or visual alarm signal. Embodiments of the present invention provide a relatively low cost security and trolley tracking system.

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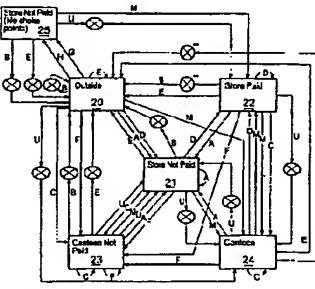
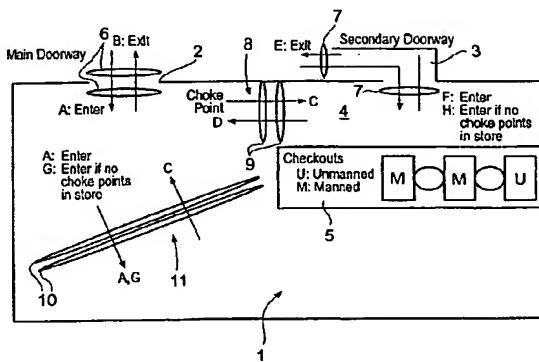
(71) *Applicant (for all designated States except US):* ACTIVERF LIMITED [GB/GB]; Downing Park Innovation Centre, Swaffham Bulbeck, Cambridge CB5 0NB (GB).

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(75) **Inventor/Applicant (for US only): HUNT, Stephen, William [GB/GB]; 17 High Street, Orwell, Nr. Royston, Cambridgeshire SG8 5QN (GB)**

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	WO 99 59112 A (WALKER NIGEL JOHN ;TAGGA LTD (GB); WHELAN BRIAN (GB)) 18 November 1999 (1999-11-18) page 2, line 15 -page 3, line 5; claim 14; figure 1 page 4, line 5 -page 4, line 29 page 6, line 9 -page 6, line 21 page 7, line 10 -page 7, line 22 ---	2-46
A	GB 2 355 156 A (ACTIVERF LTD) 11 April 2001 (2001-04-11) page 12, line 12 -page 14, line 21; claim 5; figure 4 ---	1,2,19, 34 -/-

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C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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